

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08073735
PUBLICATION DATE : 19-03-96

APPLICATION DATE : 08-09-94
APPLICATION NUMBER : 06214752

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INT.CL. : C08L 77/00 C08K 3/08 G02B 1/04 G02B 6/00 G02F 1/35 H01L 23/29 H01L 23/31

TITLE : POLYAMIDE RESIN COMPOSITION FOR OPTICAL PART; AND PART FOR OPTICAL COMMUNICATION

ABSTRACT : PURPOSE: To obtain a material for optical parts which contains a rare earth element uniformly in a high concentration, has excellent moldability and heat resistance inaccessible so far, and can be produced by a simple and easy process.

CONSTITUTION: This composition consists of a polyamide resin containing 0.01-25wt.% rare earth element cations and has a light transmittance at a thickness of 3mm of at least 50% in the wavelength region from 1,300 to 1,500nm except the absorption assignable to the rare earth element cations.

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